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PASSWORD:
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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 4	MAY 10	CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 5	MAY 11	KOREAPAT updates resume
NEWS 6	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS 7	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2
NEWS 8	MAY 30	The F-Term thesaurus is now available in CA/CAplus
NEWS 9	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS 10	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS 11	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12	JUl 11	CHEMSAFE reloaded and enhanced
NEWS 13	JUl 14	FSTA enhanced with Japanese patents
NEWS 14	JUl 19	Coverage of Research Disclosure reinstated in DWPI
NEWS 15	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS 16	AUG 28	ADISCTI Reloaded and Enhanced
NEWS 17	AUG 30	CA(SM)/CAplus(SM) Austrian patent law changes
NEWS 18	SEP 11	CA/CAplus enhanced with more pre-1907 records
NEWS 19	SEP 21	CA/CAplus fields enhanced with simultaneous left and right truncation
NEWS 20	SEP 25	CA(SM)/CAplus(SM) display of CA Lexicon enhanced
NEWS 21	SEP 25	CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS 22	SEP 25	CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:53:09 ON 27 SEP 2006

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:53:35 ON 27 SEP 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 26 SEP 2006 HIGHEST RN 908803-03-2
DICTIONARY FILE UPDATES: 26 SEP 2006 HIGHEST RN 908803-03-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

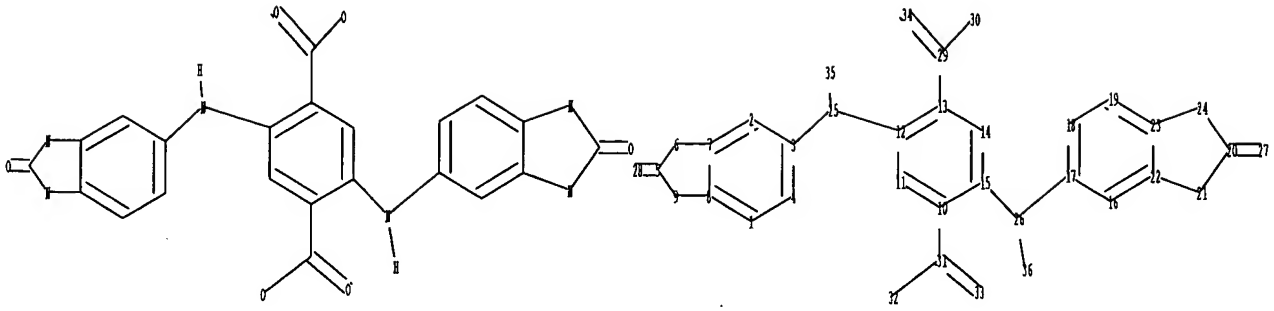
TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10534126.str

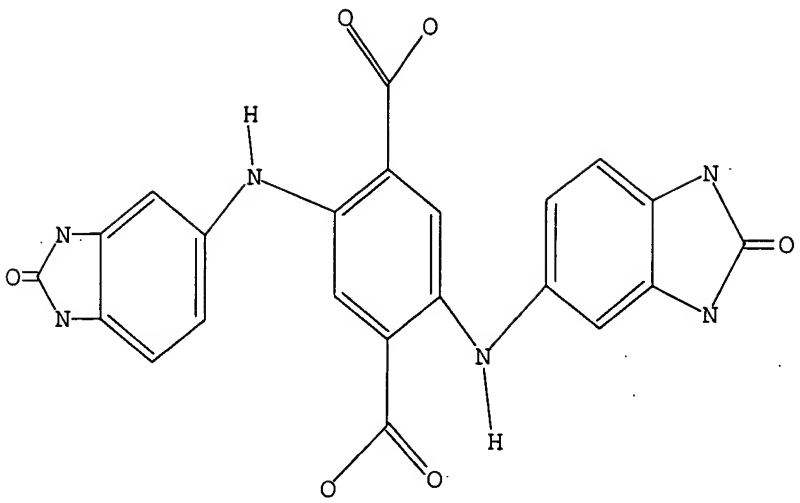


chain nodes :
25 26 27 28 29 30 31 32 33 34 35 36
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
chain bonds :
3-25 5-28 10-31 12-25 13-29 15-26 17-26 20-27 25-35 26-36 29-30 29-34 31-32 31-33
ring bonds :
1-8 1-4 2-7 2-3 3-4 5-6 5-9 6-7 7-8 8-9 10-11 10-15 11-12 12-13 13-14 14-15 16-17 16-22 17-18 18-19 19-23 20-21 20-24 21-22 22-23 23-24
exact/norm bonds :
3-25 5-6 5-9 5-28 6-7 8-9 12-25 15-26 17-26 20-21 20-24 20-27 21-22 23-24 29-30 29-34 31-32 31-33
exact bonds :
10-31 13-29 25-35 26-36
normalized bonds :
1-8 1-4 2-7 2-3 3-4 7-8 10-11 10-15 11-12 12-13 13-14 14-15 16-17 16-22 17-18 18-19 19-23 22-23
isolated ring systems :
containing 1 : 10 : 16 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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=> s l1
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SAMPLE SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED         0 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:             0 TO         0
PROJECTED ANSWERS:                0 TO         0

L2             0 SEA SSS SAM L1

=> s l1 sss full
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FULL SCREEN SEARCH COMPLETED -       48 TO ITERATE

100.0% PROCESSED        48 ITERATIONS                               1 ANSWERS
SEARCH TIME: 00.00.01

L3             1 SEA SSS FUL L1

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Uploading C:\Program Files\Stnexp\Queries\10534126a.str
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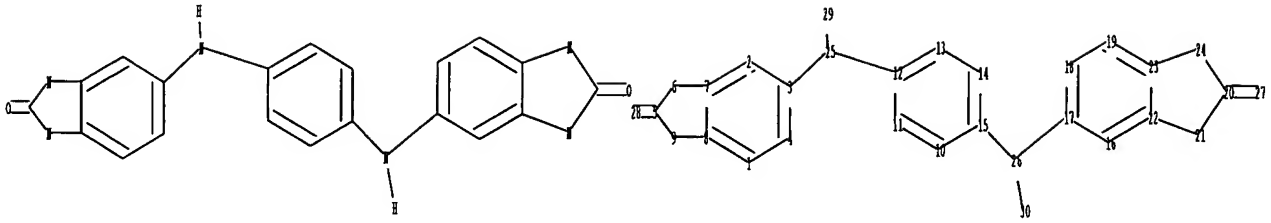

chain nodes :
25 26 27 28 29 30
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
chain bonds :
3-25 5-28 12-25 15-26 17-26 20-27 25-29 26-30
ring bonds :
1-8 1-4 2-7 2-3 3-4 5-6 5-9 6-7 7-8 8-9 10-11 10-15 11-12 12-13 13-14 14-15 16-17 16-22 17-18 18-19 19-23 20-21 20-24 21-22 22-23 23-24
exact/norm bonds :
3-25 5-6 5-9 5-28 6-7 8-9 12-25 15-26 17-26 20-21 20-24 20-27 21-22 23-24
exact bonds :
25-29 26-30
normalized bonds :
1-8 1-4 2-7 2-3 3-4 7-8 10-11 10-15 11-12 12-13 13-14 14-15 16-17 16-22 17-18 18-19 19-23 22-23
isolated ring systems :
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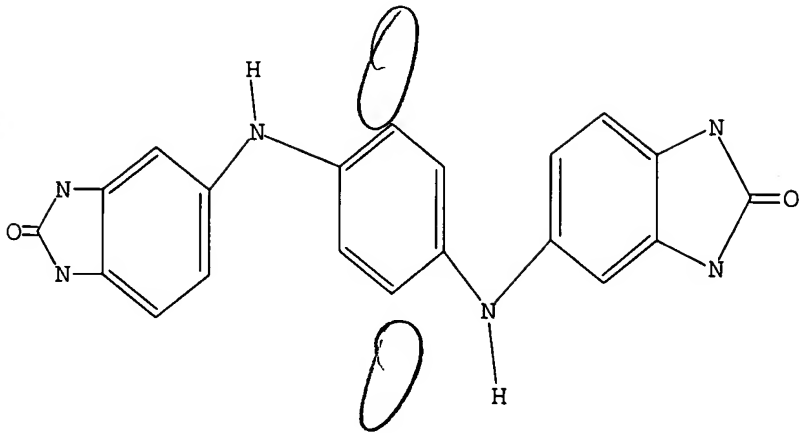
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS

L4 STRUCTURE UPLOADED

=> d l4
L4 HAS NO ANSWERS
L4 STR



Structure attributes must be viewed using STN Express query preparation.

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=> s l4
SAMPLE SEARCH INITIATED 11:55:35 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        3 TO ITERATE

100.0% PROCESSED         3 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:             3 TO      163
PROJECTED ANSWERS:                0 TO        0

L5             0 SEA SSS SAM L4

=> s l4 sss full
FULL SEARCH INITIATED 11:55:42 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       23 TO ITERATE

100.0% PROCESSED        23 ITERATIONS                               2 ANSWERS
SEARCH TIME: 00.00.01

L6             2 SEA SSS FUL L4

=> FIL HCAPLUS
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     334.76     334.97

FILE 'HCAPLUS' ENTERED AT 11:55:48 ON 27 SEP 2006
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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```

FILE COVERS 1907 - 27 Sep 2006 VOL 145 ISS 14
FILE LAST UPDATED: 26 Sep 2006 (20060926/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 11:53:09 ON 27 SEP 2006)

FILE 'REGISTRY' ENTERED AT 11:53:35 ON 27 SEP 2006
L1 STRUCTURE UPLOADED
L2 0 S L1
L3 1 S L1 SSS FULL
L4 STRUCTURE UPLOADED
L5 0 S L4
L6 2 S L4 SSS FULL

FILE 'HCAPLUS' ENTERED AT 11:55:48 ON 27 SEP 2006

=> s l3
L7 1 L3

=> s l6
L8 2 L6

=> d l7 ibib abs hitstr tot

L7 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:14488 HCAPLUS
DOCUMENT NUMBER: 142:95823
TITLE: Benzimidazolone compounds for pigments
INVENTOR(S): Hosaka, Masaki; Takei, Toshio
PATENT ASSIGNEE(S): Dainippon Ink and Chemicals, Inc., Japan
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005000973	A1	20050106	WO 2004-JP9224	20040623

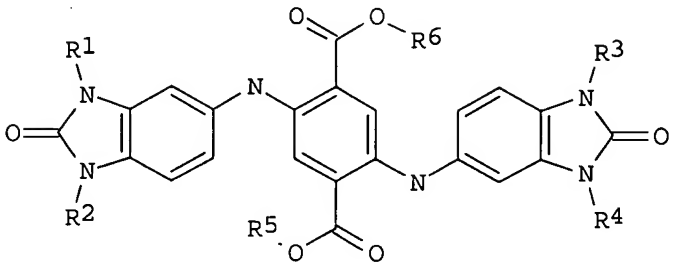
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,

SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

JP 3642428	B2	20050427	JP 2004-183576		20040622
JP 2005206785	A2	20050804			
CN 1705717	A	20051207	CN 2004-80001297		20040623
EP 1637567	A1	20060322	EP 2004-746693		20040623
R: CH, DE, FR, GB, LI					
US 2006058531	A1	20060316	US 2005-534126		20050506
PRIORITY APPLN. INFO.:			JP 2003-182574	A	20030626
			JP 2003-329835	A	20030922
			JP 2003-429203	A	20031225
			WO 2004-JP9224	W	20040623

OTHER SOURCE(S): MARPAT 142:95823

GI



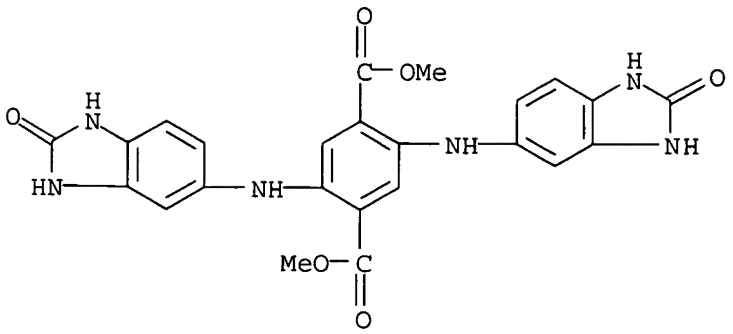
I

AB Compds. I (R1-R4 = H, C1-5 alkyl, C1-5 alkoxy; R5, R6 = C1-5 alkyl) have a plurality of hues in a single structural formula and good dispersibility in a binder resin and thus are useful as pigments. The compds. suffer little aggregation even when ≥2 kinds of the compds. having different hues are used at the same time for obtaining an aimed hue. Thus, α-type red crystal of I (R1-R4 = H; R5, R6 = Me) was prepared and used in an acrylic coating formulation. β-Type yellow crystal, γ-type reddish purple crystal, and δ-type bluish red crystal of this pigment were also obtained and characterized by x-ray diffraction.

IT 819851-29-1P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(preparation of benzimidazolone pigments with plurality of hue)

RN 819851-29-1 HCAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(2,3-dihydro-2-oxo-1H-benzimidazol-5-yl)amino]-, dimethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l8 ibib abs hitstr tot

L8 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:14488 HCAPLUS
DOCUMENT NUMBER: 142:95823
TITLE: Benzimidazolone compounds for pigments
INVENTOR(S): Hosaka, Masaki; Takei, Toshio
PATENT ASSIGNEE(S): Dainippon Ink and Chemicals, Inc., Japan
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

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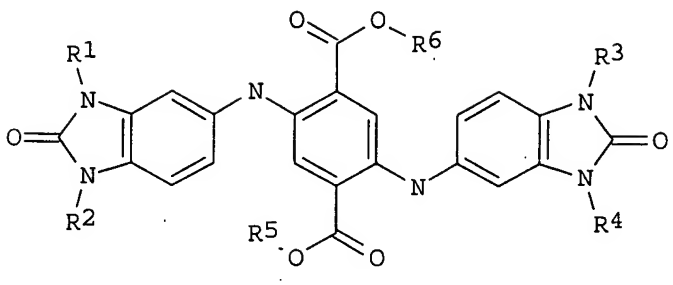
WO 2005000973	A1	20050106	WO 2004-JP9224	20040623
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 3642428	B2	20050427	JP 2004-183576	20040622
JP 2005206785	A2	20050804		
CN 1705717	A	20051207	CN 2004-80001297	20040623
EP 1637567	A1	20060322	EP 2004-746693	20040623
R: CH, DE, FR, GB, LI				
US 2006058531	A1	20060316	US 2005-534126	20050506
PRIORITY APPLN. INFO.:			JP 2003-182574 A	20030626
			JP 2003-329835 A	20030922
			JP 2003-429203 A	20031225
			WO 2004-JP9224 W	20040623

OTHER SOURCE(S): MARPAT 142:95823
GI



I

AB Compds. I (R1-R4 = H, C1-5 alkyl, C1-5 alkoxy; R5, R6 = C1-5 alkyl) have a plurality of hues in a single structural formula and good dispersibility in a binder resin and thus are useful as pigments. The compds. suffer little aggregation even when ≥2 kinds of the compds. having different hues are used at the same time for obtaining an aimed hue. Thus, α-type red crystal of I (R1-R4 = H; R5, R6 = Me) was prepared and used in an acrylic coating formulation. β-Type yellow crystal, γ-type reddish purple crystal, and δ-type bluish red crystal of this pigment were also obtained and characterized by x-ray diffraction.

IT 819851-29-1P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(preparation of benzimidazolone pigments with plurality of hue)

RN 819851-29-1 HCAPLUS

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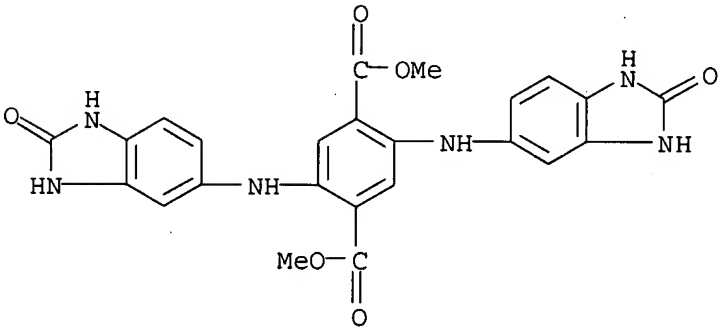


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:755281 HCAPLUS
DOCUMENT NUMBER: 133:323001
TITLE: Hybrid organic pigments, their production and their use
INVENTOR(S): Kaul, Bansi Lal; Piastra, Bruno; Plug, Carsten; Steffanut, Pascal; Born, Roland
PATENT ASSIGNEE(S): Clariant Finance (BVI) Limited, Virgin I. (Brit.)
SOURCE: Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1046681	A2	20001025	EP 2000-810342	20000419
EP 1046681	A3	20030212		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2001019870	A2	20010123	JP 2000-103698	20000405
US 6482817	B1	20021119	US 2000-552066	20000419
PRIORITY APPLN. INFO.:			GB 1999-9105 A	19990422
			GB 2000-5663 A	20000310

OTHER SOURCE(S): MARPAT 133:323001
GI

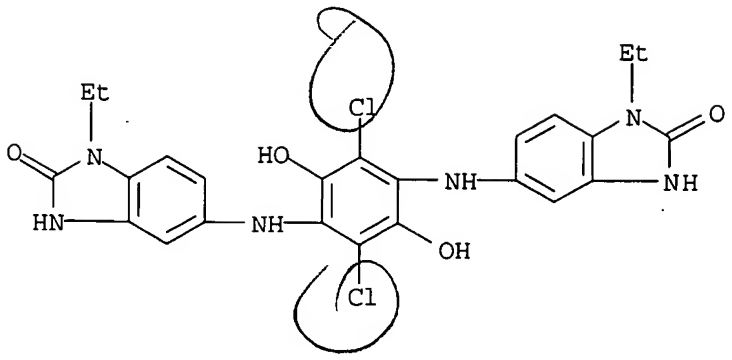
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention provides hybrid pigments containing (a) at least one benzimidazolone triphenodioxazine (I; R1, R2 = H, C1-18-alkyl, optionally substituted Ph; X = H, halogen) and (b) at least one pyrrolo[3,4-c]pyrrole (II; A, B = optionally substituted Ph, naphthyl, pyridyl, phenoxy, thiophenoxy) or (c) at least one thiazine indigo compound (III; R5, R6 = optionally substituted benzene ring component) or (d) at least one quinacridone compound (IV; R7, R8, R9, R10 = H, halogen, C1-5-alkyl, C1-5-alkoxy) or (e) at least one copper phthalocyanine compound (V; n = 0-16) as well as a process for the preparation of such hybrid pigments and their use for the mass pigmentation of substrates and as colorants in coating materials. Crude I is mixed with one of more of the other pigments in concentrated H2SO4 or polyphosphoric acid and precipitated to obtain the hybrid pigment mixture or a reaction mixture of I at the end of its synthesis is combined with one or more of the other pigments to provide a product which has better dispersibility, a cleaner shade, and a higher coloring power than a corresponding mech. mixture of the pigment powders. In an example, 9.1 mmol 3,11-diphenyl-1,3,9,11-tetrahydrodiimidazo[4,5-b:4',5'-m]triphenodioxazine-2,10-dione was heated with 9.1 mmol 3,6-bis(4-chlorophenyl)-1,4-diketopyrrolo[3,4-c]pyrrole in 90% concentrated H2SO4; precipitation with water gave a red-to-violet hybrid pigment.

IT 303052-39-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(starting material; in production of pigment mixts. containing benzimidazolone triphenodioxazines)

RN 303052-39-3 HCAPLUS

CN 2H-Benzimidazol-2-one, 5,5'-[(2,5-dichloro-3,6-dihydroxy-1,4-phenylene)diimino]bis[1-ethyl-1,3-dihydro- (9CI) (CA INDEX NAME)



=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	22.92	357.89

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.25	-2.25

STN INTERNATIONAL LOGOFF AT 11:57:28 ON 27 SEP 2006